

**Summary Report for Individual Task  
061-C02-1079  
Manage Muzzle Velocities  
Status: Approved**

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DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

**Condition:** Given an uncalibrated lot of propellant, a gunnery notebook, muzzle velocity logbook, DA Form 4982-R, FT 155AM-2, and MVCT-1.

**Standard:** Manage the computation and entry of Muzzle velocities to ensure changes in projectile/charge performance is recorded without error in the logbook IAW procedures listed in FM 6-40, DA Form 2408-4, and DA Form 4982-R.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Safety Level:** Low

**MOPP:**

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** None

### Performance Steps

1. Verify the fire direction center's muzzle velocity log book contains up to date entries.
2. Select the number of rounds for MVV calculation.
3. Direct the battery/platoon to calibrate as required.
4. Apply techniques for a subsequent lot inferred calibration.
5. Apply predictive muzzle velocity techniques.
6. Verify muzzle velocity variations to a fire mission.
7. Compare reported muzzle velocity to logbook data.
8. Direct the documentation of MVV data.

(Asterisks indicates a leader performance step.)

**Evaluation Preparation:** Setup: Ensure that all information, references, and equipment required to perform the task are available. Use the performance measures and the references to score the Soldier's performance. Brief the Soldier. Tell the Soldier what he is required to IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Verified the fire direction center's muzzle velocity log book contains up to date entries.			
2. Selected the number of rounds for MVV calculation.			
3. Directed the battery/platoon to calibrate as required.			
4. Applied techniques for a subsequent lot inferred calibration.			
5. Applied predictive muzzle velocity techniques.			
6. Verified muzzle velocity variations to a fire mission.			
7. Compared reported muzzle velocity to logbook data.			
8. Directed the documentation of MVV data.			

### Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	FM 6-40	Tactics, Techniques, and Procedures for Field Artillery Manual Cannon Gunnery	No	No

**Environment:** Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects.

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination. The local commander must personally approve all training judged to be high risk. The operations officer is responsible for conducting a risk assessment in accordance with the safety assessment matrix contained in the Course Management Plan, and for obtaining the commander's approval prior to conducting such training. The principal instructor is responsible implementing safety measures according to the local safety standing operating procedure.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :**

<b>Task Number</b>	<b>Title</b>	<b>Proponent</b>	<b>Status</b>
061-C02-1102	Troubleshoot Inaccurate Fires	061 - Field Artillery (Individual)	Approved

**Supported Collective Tasks :**

<b>Task Number</b>	<b>Title</b>	<b>Proponent</b>	<b>Status</b>
06-2-5424	Process Fire Missions	06 - Field Artillery (Collective)	Approved
06-4-5021	Prepare Howitzer for Conduct of Fire Missions (Non-Paladin)	06 - Field Artillery (Collective)	Approved